

Title (WIN): **E08209U: I-82/South Union Gap Interchange - Construct Ramps**

Title (FORM): **I-82/South Union Gap Interchange - Construct Ramps**

Type of Work: **Interchange Improvements**

<div>REGION:</div> <div>South Central</div> <div>COUNTY/COUNTIES</div> <div>Yakima</div>	<div>SR 82 MILEPOSTS</div> <div>37.50 to 38.50</div> <div>ARM</div> <div>37.47 to 38.47</div> <div><input type="checkbox"/> Multiple SRs</div> <div>LENGTH(S)</div> <div>Centerline: 1.00 Miles</div> <div>Resurfacing: 2.00 Miles</div> <div>SYSTEM PLAN</div> <div>Pg No: N/A</div> <div>Year: N/A</div>	<div>STATUS/HISTORY</div> <table><tr><td>Creation Date</td><td>Last Modified</td><td>Revision No</td><td>Form Status</td></tr><tr><td>3/27/2017</td><td>1/11/2018</td><td>1</td><td>Pending</td></tr></table> <div>Functional Class: Interstate</div> <div>NHS Status: NHS</div> <div>Roadway: Multi-lane</div> <div>Right-of-Way: No</div> <div>Relocation: No</div> <div>New/Reconstruction: Yes</div> <div>Value Engineered: Yes</div> <div>Quantitative Risk Analysis: Yes</div>	Creation Date	Last Modified	Revision No	Form Status	3/27/2017	1/11/2018	1	Pending	<div>ESTIMATED PROJECT COSTS</div> <div>Date of Cost Index: 2/24/2017</div> <table><tr><td></td><td>Estimate</td><td>Variance</td></tr><tr><td>Prelim. Eng.:</td><td>\$2,981,000</td><td>33%</td></tr><tr><td>ROW:</td><td>\$0</td><td></td></tr><tr><td>Construction:</td><td>\$28,070,006</td><td>33%</td></tr><tr><td>Total:</td><td>\$31,051,006</td><td>33%</td></tr></table> <div>Benefit Cost (B/C) Ratio: N/A</div> <div>Other Partners: No</div>		Estimate	Variance	Prelim. Eng.:	\$2,981,000	33%	ROW:	\$0		Construction:	\$28,070,006	33%	Total:	\$31,051,006	33%
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STATEMENT OF DEFICIENCIES/NEEDS

The City of Union Gap is building a beltway to the Yakima Airport to connect South Union Gap to the undeveloped land west of the city.

The I-82 South Union Gap interchange is currently a partial interchange with only a westbound off-ramp and an eastbound on-ramp.

STATEMENT OF PURPOSE

This project will complete the interchange by constructing a westbound on-ramp and eastbound off-ramp to provide full access to South Union Gap.

PROPOSED STRATEGY

1 PIN(s) in project

508209U: I-82/South Union Gap Interchange - Construct Ramps

Sub-Program: I3 Freight & Goods

State Route: 82

Type of Work: Interchange Improvements

Mileposts: 37.50 To: 38.50

RRT:

RRQ:

Direction: Both

ARM : 37.47 To: 38.47

PIN Description:

This project will complete the South Union Gap interchange by constructing a westbound on-ramp and eastbound off-ramp.

The cost estimate is based on the construction of a replacement structure for bridge 97/145E to accommodate the addition of the westbound I-82 on-ramp and two retaining walls for the additional eastbound I-82 off-ramp.

Since the time this project was copied into LAPR for active delivery, it has been determined that R/W is not required. The scoping total cost estimate decreased \$3,348,994 from \$34,400,000 to \$31,051,006 as a result of a more refined scoping effort: PE estimate increased \$281,000 from \$2,700,000 to \$2,981,000; R/W, at a cost of \$500,000, was removed; and the CN estimate decreased \$3,129,994 from \$31,200,000 to \$28,070,006. With inflation turned on, the total project cost decreased \$1,977,287 from the previous uninflated total project cost of \$34,400,000 to \$32,422,713.

As design has progressed, the CN estimate has decreased another \$4,560,006 from \$28,070,006 to \$23,510,000 (inflated cost decreased \$4,957,846 from \$29,361,226 to \$24,403,380). This is due mainly to narrowing the proposed width of bridge 97/145E from 47 ft. to 30 ft. and reducing the length and height of the retaining wall system. The variances of \$1,977,287 and \$4,957,846 have been placed in a savings WIN to keep the total project cost at \$34,400,000.

In addition, the beginning of the project has shifted from MP 37.50 to MP 37.00 due to the length required for the eastbound off-ramp being longer than originally proposed. ☐om

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PHASE DURATION

Preconstruction Duration, Months: 15

Construction Duration, Months: 24

Recommended

Comments:

Comments:

Ad Time?

The Request for Proposals (RFP) will be advertised in
October 2018

Advertisement to OC.

Fall

SUMMARIZE THE FOLLOWING INFORMATION BASED ON DESIGN FILE DOCUMENTATION

1.) Preliminary Environmental Review (Required environmental documentation, permits and environmental commitments):

See Environmental Review Summary Form for additional details

See Environmental Review Summary.

2.) Design Decisions (design level, geometric, geotechnical, hydraulic, structural, or pavement design decisions made to date):

See Design Decisions Summary Form for additional details

See Preliminary Basis of Design.

3.) Public Input (Summary of any public involvement to date):

None to date.

4.) Project Commitments

a. Commitments Made **To** Others:

None

b. Commitments Made **By** Others:

None

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5.) Potential Utility Impacts (Key utility impacts):

☒ Yes ☐ No

WSDOT Illumination will be impacted. There are local sewer, power and telecommunication lines that are in the vicinity but not planned to be impacted.

6.) Work Zone Traffic Control Strategy:

☒ Yes ☐ No

There will be no planned detours of US 97 through the City of Union Gap on Main Street.

7.) Potential Railroad Impacts (Key RR related):

☐ Yes ☒ No

8.) Specialized Workforce Expertise Required (Summarize Specialized WF for PE or construction phases):

☐ Yes ☒ No

9.) Other Issues (Emergency Services, School, Transit, etc.):

☐ Yes ☒ No

APPROVAL SIGNATURES

REGION PROJECT APPROVAL

Will Smith

APPROVED

DATE

☒ 7/18/2017HQ SYSTEMS ANALYSIS &
PROGRAM DEVELOPMENT

Tim Rydholm

APPROVED

DATE

☒ 1/3/2018

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WSDOT APPROVAL

Damon Roberts

Region Environmental Manager

06/15/2017

Date

Myria J. Foisy

Region Environmental Contact

Phone:

PART 1 - PROJECT DESCRIPTION

WIN: E08209U I-82/South Union Gap Interchange - Construct Ramps

Project Title: I-82/South Union Gap Interchange - Construct Ramps

Pin(s): 508209U

Federal Aid Number: NH-0822(128)

Intent of Documentation:

- ☒ Scoping (ERS)
☐ NEPA/SEPA Documentation (ECS)

Project Description:

This project will complete the South Union Gap interchange by constructing a westbound on-ramp and eastbound off-ramp. The cost estimate is based on the construction of a replacement structure for bridge 97/145E to accommodate the addition of the westbound I-82 on-ramp and two retaining walls for the additional eastbound I-82 off-ramp.

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Purpose:

This project will complete the interchange by constructing a westbound on-ramp and eastbound off-ramp to provide full access to South Union Gap.

Need:

The City of Union Gap is building a beltway to the Yakima Airport to connect South Union Gap to the undeveloped land west of the city.

The I-82 South Union Gap interchange is currently a partial interchange with only a westbound off-ramp and an eastbound on-ramp.

Project Location:

SR: Begin MP: 37.5 End MP: 38.5 WSDOT Region: South Central
Township/Section/Range: S8,17;T12N;R19E County/Countries: Yakima

Right of Way -- Check all that apply

- Will ROW be acquired for this project? ☐ Yes ☒ No If 'no' skip indented questions.
If 'yes' will ☐ people and/or ☐ businesses be relocated and/or displaced? ☐ Yes ☐ No
Will early acquisition be necessary? ☐ Yes ☐ No

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Statewide Transportation Improvement Program (STIP) Confirmation

Are All phases of the project included in the STIP? ☒ Yes ☐ No ☐ Needs Verification

If 'yes' list STIP/STIP addendum date: 2017

If 'no' attach plan for inclusion

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PART 2 - ENVIRONMENTAL CLASSIFICATION

The information provided is based on review of GIS data in the WSDOT Environmental Workbench
and field reviews by qualified WSDOT staff.

NEPA Classification: FHWA Categorical Exclusion (CE) 23 CFR 771.117 **SEPA Classification:** Determination of Non-significance (DNS)

Subsection: D13: Actions described in C26, C27, and C28 that fail
to meet the constraints in subsection (e)

Endangered Species Act (ESA)

USFWS Consultation Type: Formal

Completion date:

NOAA Consultation Type: Formal

Completion date:

National Historic Preservation Act: Section 106 – Check all that apply.Will a Cultural Resources Specialist review this project? ☒ Yes ☐ No If 'yes', provide date:Is the project on tribal lands? ☒ Yes ☐ No If 'yes', list tribe: Yakama NationIs the project exempt under the 2012 Programmatic Agreement with FHWA & SHPO? ☐ Yes ☒ No

If 'yes', list exemption:

Is the project located on Forest Service land? ☐ Yes ☒ NoIf 'yes' is the project exempt under the 2012 Programmatic Agreement with USFS? ☐ Yes ☐ No

If 'yes' list exemption:

Was a Cultural Resources Survey completed? ☐ Yes ☒ No

If 'yes', provide completion date:

If 'yes', ☐ Historic ☐ Cultural ☐ Archeological resources will be affected. See attached.☐ The project is not exempt under either Programmatic Agreement. DAHP concurrence is required:

Consultation and concurrence by _____ and/or _____ is required

Date of approved Section 106 MOA: _____ See attached.

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PART 3 - PERMITS & APPROVALS

Federal: Check all that apply

- ☒ US Army Corps of Engineers
 - ☐ Section 404 ☐ Section 10
 - ☐ Nationwide Type:
 - ☒ Individual
- ☐ US Coast Guard
 - ☐ General Bridge Act Coordination is required to complete NEPA.
 - Contact Date:
 - ☐ Private Aids to Navigation (non-bridge project)
- ☐ Section 4(f)
 - ☐ De minimis approval
 - ☐ Temporary Occupancy approval
 - ☐ Section 4(f) Evaluation See attached.
- ☐ Section 6(f) Compliance (RCO/NPS)
 - See attached
- ☐ Wild and Scenic Rivers Review
 - Coordination with administrator required.
 - ☐ MOA attached
- ☐ Authorization for Use of Federal Land
 - Issuing Agency:
- ☐ Farmland Conversion
 - see attached NCRS documentation

Local: Check all that apply

- ☒ Critical Areas Ordinance Compliance (CAO) Ecology
 - Issuing Agency: Yakima County
 - List CAO Permits:
 - See Notes Section Below
- ☐ Jurisdictional Stormwater Manual
 - Issuing Municipality:
- ☒ Noise Variance (e.g. nighttime construction or maintenance)
 - Issuing Agency:
- ☐ Flood Plain Development Permit
 - Issuing Agency:
- ☒ Shoreline Management Program
 - Issuing Agency: Yakima County
 - Permit Type:

State: Check all that apply

- ☒ Hydraulic Project Approval (HPA)
 - ☐ General Hydraulic Project
 - Type:
- ☒ Section 401 Water Quality Certification
 - Certifying Entity: Ecology
- ☐ Aquatic Use Authorization (WDNR)
- ☐ Coastal Zone Management Certification (CZM)
 - County:
- ☐ Forest Practice Approval
 - Issuing Agency:
- ☐ NPDES Construction Stormwater Permit
 - ☒ General ☐ Individual
- ☒ Temporary Erosion Sediment Control Plan (TESC)
- ☐ GEO 05-05 See attached

Tribal

Name of tribe: Yakama Nation
List of permits and approvals:
See Notes Section Below

Other Plans/Approvals: Check all that apply

- ☒ Migratory Bird Treaty Act -- See attached.
- ☒ Bald Eagle Protection Act -- See attached.
- ☒ Essential Fish Habitat (EFH) -- See attached.
- ☐ Marine Mammal Protection Act -- See attached.
- ☐ Other -- See Notes.

Notes

Potential Required CAO Permits: Wetlands, Frequently Flooded Areas, Geologically Hazardous Areas, Fish and Wildlife Conservation Areas